

Table 1. Duke Energy Carolinas, LLC and Duke Energy Progress, LLC: Key Economic Drivers for Load Forecast

	2021-2035
<b>Real Income</b>	2.9%
<b>Manufacturing Industrial Production Index (IPI)</b>	1.1%
<b>Population</b>	1.5%

Table 2. Duke Energy Carolina, LLC: Major Retail History and Forecast Comparison

HISTORY	Residential History			Commercial History			Industrial History			Retail History		
	Number of Customers	Consumption (GWh)	Consumption per Customer (GWh)	Number of Customers	Consumption (GWh)	Consumption per Customer (GWh)	Number of Customers	Consumption (GWh)	Consumption per Customer (GWh)	Number of Customers	Consumption (GWh)	Consumption per Customer (GWh)
2010	2,034	30,049	14.77	333	27,968	84.01	7	20,618	2867.93	2,389	78,922	33.04
2019	2,261	28,861	12.76	362	29,628	81.85	6	21,299	3549.91	2,651	80,109	30.22
Annual Average Growth	1.2%	-0.4%	-1.6%	0.9%	0.6%	-0.3%	-2.0%	0.4%	2.4%	1.2%	0.2%	-1.0%

  

FORECAST	Residential Forecast			Commercial Forecast			Industrial Forecast			Retail Forecast		
	Number of Customers	Consumption (GWh)	Consumption per Customer (GWh)	Number of Customers	Consumption (GWh)	Consumption per Customer (GWh)	Number of Customers	Consumption (GWh)	Consumption per Customer (GWh)	Number of Customers	Consumption (GWh)	Consumption per Customer (GWh)
2021	2,324	28,612	12.31	367	29,257	79.67	6	20,909	3450.45	2,721	79,098	29.07
2035	2,860	33,074	11.57	389	31,516	81	5	20,289	3888.53	3,281	85,163	25.96
Annual Average Growth	1.5%	1.0%	-0.5%	0.4%	0.5%	0.1%	-1.1%	-0.2%	0.8%	1.3%	0.5%	-0.8%

Table 3. Duke Energy Progress, LLC: Major Retail History and Forecast Comparison  
(Customers in Thousands; Sales in GWh)

HISTORY	Residential History			Commercial History			Industrial History			Retail History		
	Number of Customers	Consumption (GWh)	Consumption per Customer (GWh)	Number of Customers	Consumption (GWh)	Consumption per Customer (GWh)	Number of Customers	Consumption (GWh)	Consumption per Customer (GWh)	Number of Customers	Consumption (GWh)	Consumption per Customer (GWh)
2010	1,216	17,117	14.08	216	13,639	63.08	5	10,375	2292.99	1,439	42,628	29.62
2019	1,349	18,177	13.47	237	13,992	59.04	4	10,534	2633.53	1,591	44,241	27.81
Annual Average Growth	1.2%	0.7%	-0.5%	1.0%	0.3%	-0.7%	-1.4%	0.2%	1.5%	1.1%	0.4%	-0.7%

  

FORECAST	Residential Forecast			Commercial Forecast			Industrial Forecast			Retail Forecast		
	Number of Customers	Consumption (GWh)	Consumption per Customer (GWh)	Number of Customers	Consumption (GWh)	Consumption per Customer (GWh)	Number of Customers	Consumption (GWh)	Consumption per Customer (GWh)	Number of Customers	Consumption (GWh)	Consumption per Customer (GWh)
2021	1,388	18,183	13.1	239	13,931	58.26	4	10,424	2625.77	1,632	44,077	27.01
2035	1,638	22,236	13.58	253	14,240	56.21	4	10,187	2694.47	1,896	48,131	25.38
Annual Average Growth	1.2%	1.4%	0.3%	0.4%	0.2%	-0.3%	-0.3%	-0.2%	0.2%	1.1%	0.6%	-0.4%

Table 4. Duke Energy Carolinas, LLC and Duke Progress, LLC: Peak Demand Forecast Comparison, 2020 IRP vs 2019 IRP

Duke Carolinas Summer Peak Forecast Comparison					Duke Carolinas Winter Peak Forecast Comparison				
DEC	2019 IRP	2020 IRP	Delta (MW)	Delta (%)	DEC	2019 IRP	2020 IRP	Delta (MW)	Delta (%)
2021	18,266	18,086	-180	-1.0%	2021	18,449	17,725	-724	-3.9%
2034	21,160	20,013	-1,147	-5.4%	2034	20,944	19,200	-1,745	-8.3%
Avg. Annual Growth Rate	1.00%	0.80%			Avg. Annual Growth Rate	0.80%	0.60%		
Duke Progress Summer Peak Forecast Comparison					Duke Progress Winter Peak Forecast Comparison				
DEP	2019 IRP	2020 IRP	Delta (MW)	Delta (%)	DEP	2019 IRP	2020 IRP	Delta (MW)	Delta (%)
2021	13,182	12,818	-364	-2.8%	2021	14,434	14,118	-316	-2.2%
2034	15,360	14,252	-1,108	-7.2%	2034	16,654	15,666	-988	-5.9%
Avg. Annual Growth Rate	1.00%	0.90%			Avg. Annual Growth Rate	0.90%	0.90%		